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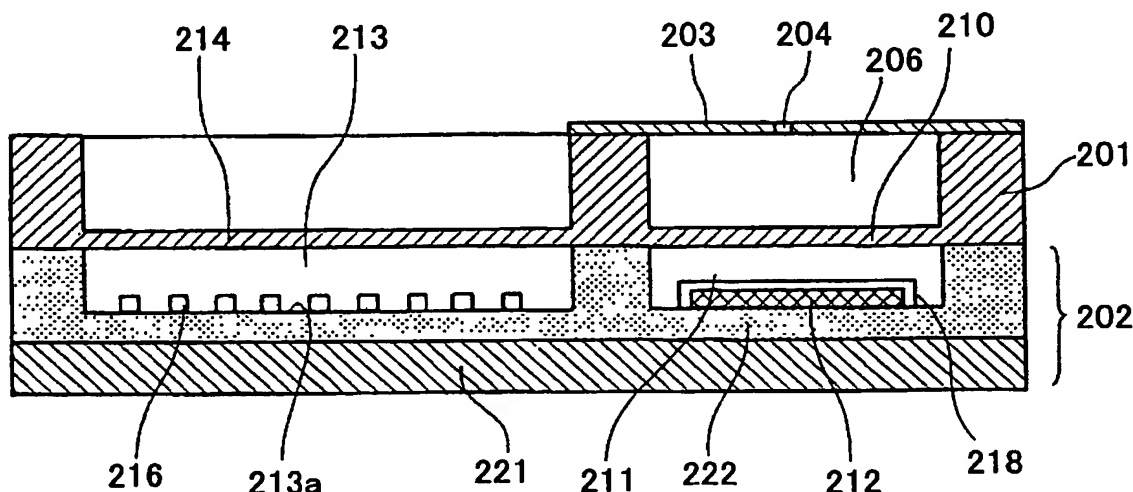
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(54) Title: ELECTROSTATIC ACTUATOR AND LIQUID DROPLET EJECTING HEAD HAVING STABLE OPERATION CHARACTERISTICS AGAINST ENVIRONMENTAL CHANGES



(57) Abstract: A liquid droplet ejecting head includes: one or more nozzle holes ejecting liquid droplets; one or more pressure liquid chambers communicating with the nozzle holes and containing liquid to be ejected; a common liquid chamber communicating with the pressure liquid chambers; one or more diaphragms each forming a wall face of the corresponding pressure liquid chamber; one or more vibration chambers containing air gaps provided in contact with the diaphragms on the opposite side from the pressure liquid chambers; and one or more electrodes provided to oppose the diaphragms through the air gaps. The liquid droplet ejecting head further includes: a deformable plate whose deformation is greater than the total deformation of the diaphragms, the deformable plate forming a wall face of the common liquid chamber; and a pressure correcting chamber provided across the deformable plate from the common liquid chamber so as to communicate with the vibration chambers.



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